A

(20222)

BCA-V Sem.

(Printed Pages 3)

Roll No. ....

18023 (CV-III)
B.C.A. Examination, Dec.-2021
COMPUTER NETWORKS
(BCA-503)

Time : 1½ Hours]   [Maximum Marks :75

Note : Attempt **all** the sections as per instructions.

Section-A

Note : Attempt any **two** questions. Each question carries **7.5** marks. 2×7.5=15

1. What is UDP?

2. What is DTE-DCE interface?

3. Write a short note on computer network.

4. Differentiate between TDM and FDM.

5. What do you mean by congestion?

P.T.O.

Section-B

Note : Attempt any **one** question out of the following **three** questions. Each question carries **15** marks. 1×15=15

6. Discuss ISDN, its services & layers.

7. What do you mean by guided & unguided media? Explain with example.

8. Draw a neat diagram of OSI model and explain the functioning of each layer.

Section-C

Note : Attempt any **two** questions out of the following **five** questions. Each question carries **22.5** marks.   2×22.5=45

9. What do you understand by routing? Explain any routing protocol in detail. Differentiate between static and dynamic routing.

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10. Write short notes on:

    (a) Throughput & Wavelength

    (b) Synchronous protocols

    (c) Routers

11. Explain TCP packet format in detail.

12. Give a brief description of session layer and explain the functions of session layer.

13. Write short notes on:

    (a) Network topology

    (b) LCP

    (c) Error control

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